

Cambridge Pixel Unveils HPx-346 Analogue to Network Radar Video Data Converter

- *HPx-346 is a small form-factor primary radar input and network radar video distribution card that converts analogue radar into a standard ASTERIX CAT-240 network data stream*
- *HPx-346 provides a cost-effective way of importing radar data into a modern display; for example, the card would enable existing radars on a ship or commercial boat to be accessible in an ECDIS system*
- *Cambridge Pixel will be showcasing its HPx-346 card and other products on stand S4-352 (South hall) at the DSEI Defence and Security show in London from 12-15 September 2017.*

CAMBRIDGE, United Kingdom, July 25, 2017 – Cambridge Pixel, a supplier of radar display, tracking and recording sub-systems, has announced the HPx-346, a compact, low power (less than 5 Watts), standalone primary radar input and network distribution card.

The HPx-346 is designed to convert analogue radar signals into a standard open network data stream such as ASTERIX CAT-240. The card provides a cost-effective way of importing analogue radar data into a modern display.

The small form factor (149x74mm) HPx-346 card features a combined ARM/FPGA system-on-chip processor to handle the radar acquisition and data conversion. The card may be configured through a web interface with settings made to the card for autonomous operation. Alternatively, a programming API is available to permit remote control and set-up.

David Johnson, CEO, Cambridge Pixel, said: “We have seen a number of applications that require a compact, low power, standalone unit capable of converting radar signals into network data. For example, the HPx-346 would enable existing radars on a ship or commercial boat to be accessible in an ECDIS (Electronic Chart Display and Information Systems) display.

“The HPx-346 complements our existing range of HPx PCI and PCI Express radar input cards and gives system integrators a choice between the small size and low power of the HPx-346 and a full PC-based radar server incorporating our HPx-200 or HPx-400e series cards.”

The HPx-346 supports a wide variety of signal types and input voltages including differential and single-ended signals with selectable signal levels and input impedances. This allows connection to a diverse range of commercial and military radar types including those from Furuno, JRC, Kelvin Hughes, Koden, Raytheon, Sperry and Terma. The HPx-346 accepts radar video, trigger and azimuth signals in the form of ACP/ARP.

The HPx-346 can be configured as a standalone radar processor with the card installed within existing equipment, or supplied in a compact enclosure. A development kit is available comprising the card, power supply, RadarView Software and a software development library.

Cambridge Pixel's HPx-346 is part of a family of radar acquisition and processing components that provide system integrators with a powerful toolkit to build server and client display systems. The company's world-leading SPx suite of software libraries and applications provide highly flexible, ready-to-run software products or 'modules-of-expertise' for radar visualisation, radar video distribution, plot extraction and target tracking.

Cambridge Pixel's radar technology is used in naval, air traffic control, vessel traffic, commercial shipping, security, surveillance and airborne radar applications. Its systems have been implemented in mission critical applications with companies such as BAE Systems, Frontier Electronic Systems, Lockheed Martin, Barco Defence, Blighter Surveillance Systems, Exelis, Kelvin Hughes, Navtech Radar, Raytheon, Royal Thai Air Force, Saab, Hanwha, Sofresud and Tellumat.

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For more information about the HPx-346 card and other products from Cambridge Pixel, please visit www.cambridgepixel.com or call: +44 (0) 1763 852749 or email: enquiries@cambridgepixel.com.

Media photo:

<http://www.cambridgepixel.com/news>

Data sheet:

<http://www.cambridgepixel.com/files/Datasheets/hpx346.pdf>

About Cambridge Pixel (www.cambridgepixel.com)

Founded in 2007, Cambridge Pixel is an award-winning developer of sensor processing and display solutions including primary and secondary radar interfacing, processing and display components for military and commercial radar applications. It is a world-leading supplier of software-based radar tracking and scan conversion solutions through its modular SPx software, and HPx hardware product range. Based near Cambridge in the UK, the company operates worldwide through a network of agents and distributors.

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